Department.java:  
package com.cognizant.ormlearn.model;

import jakarta.persistence.\*;

import java.util.List;

@Entity

@Table(name = "department")

public class Department {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

@Column(name = "dp\_id")

private int id;

@Column(name = "dp\_name")

private String name;

@OneToMany(mappedBy = "department")

private List<Employee> employeeList;

// Getters, Setters, toString

}

Skill.java:

package com.cognizant.ormlearn.model;

import jakarta.persistence.\*;

import java.util.List;

@Entity

@Table(name = "skill")

public class Skill {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

@Column(name = "sk\_id")

private int id;

@Column(name = "sk\_name")

private String name;

@ManyToMany(mappedBy = "skillList")

private List<Employee> employeeList;

// Getters, Setters, toString

}

Employee.java

package com.cognizant.ormlearn.model;

import jakarta.persistence.\*;

import java.util.Date;

import java.util.List;

@Entity

@Table(name = "employee")

public class Employee {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

@Column(name = "em\_id")

private int id;

@Column(name = "em\_name")

private String name;

@Column(name = "em\_salary")

private double salary;

@Column(name = "em\_permanent")

private boolean permanent;

@Column(name = "em\_date\_of\_birth")

@Temporal(TemporalType.DATE)

private Date dateOfBirth;

@ManyToOne

@JoinColumn(name = "em\_dp\_id")

private Department department;

@ManyToMany

@JoinTable(name = "employee\_skill",

joinColumns = @JoinColumn(name = "es\_em\_id"),

inverseJoinColumns = @JoinColumn(name = "es\_sk\_id"))

private List<Skill> skillList;

// Getters, Setters, toString

}

EmployeeRepository.java:

package com.cognizant.ormlearn.repository;

import com.cognizant.ormlearn.model.Employee;

import org.springframework.data.jpa.repository.JpaRepository;

public interface EmployeeRepository extends JpaRepository<Employee, Integer> {}

DepartmentRepository.java:

package com.cognizant.ormlearn.repository;

import com.cognizant.ormlearn.model.Department;

import org.springframework.data.jpa.repository.JpaRepository;

public interface DepartmentRepository extends JpaRepository<Department, Integer> {}

SkillRepository.java

package com.cognizant.ormlearn.repository;

import com.cognizant.ormlearn.model.Skill;

import org.springframework.data.jpa.repository.JpaRepository;

public interface SkillRepository extends JpaRepository<Skill, Integer> {}